

IN THE CLAIMS

Please amend the claims as follows:

1. (original) An image processing system for reduction of the noise and enhancement of edges in images of a sequence, comprising:
means of decomposition of spatial image signal yielding slices of different content;
means of temporal filtering for differently filtering the slices according to the content;
means of recomposition of the images of the sequence from the temporally filtered slices.
2. (original) The system of Claim 1 wherein the decomposition is performed using means of pyramidal decomposition.
3. (original) The system of Claim 1 wherein the means of temporal filtering comprises adaptive filtering.
4. (original) The system of Claim 1 wherein the means of temporal filtering comprises motion compensation.
5. (original) The system of Claim 1 wherein the means of temporal filtering comprises recursive adaptive filtering.

6. (currently amended) The system of ~~one of Claims 1 to 5~~claim 1, further comprising imaging means for displaying the images of the sequence.

7. (currently amended) An imaging apparatus comprising a suitably programmed computer or a special purpose processor having circuit means, which are arranged to process images, to be used in a system as claimed in ~~one of Claims 1 to 6~~claim 1.

8. (currently amended) A computer program product comprising a set of instructions for carrying out an image processing to be used in a system as claimed in ~~one of Claims 1 to 6~~claim 1.

9. (currently amended) A medical examination imaging apparatus having means for acquiring a sequence of medical images and having a viewing system for processing and for displaying said sequence of images according to ~~one of Claims 1 to 6~~claim 1.